Objective Statement
Prepress Electronic Communications Architecture and Network
P&PG Objective Number Two, Milestone Number One

I. ***Activity This Period***: Activity this period has been directed to documenting Prepress Composition's current communication capabilities. We have accomplished this milestone on schedule.

II. ***Problems Encountered:*** No problems at this time.

III. ***Plans for Next Period:*** Determine future communication requirements by meeting with customers and determining their plans regarding electronic document production.

Printing and Photography Group FY 1989 Objective Two

Milestone Number One

Document Current Communications Capabilities

Prepress Composition Input

Prepress Composition currently has four networked Atex and two Xyvision Composition Systems as the principal data entry and processing hardware. A Camex Proformer is used for drafting forms and charts and is linked to the composition network via a 9600-baud bisynchronous link. For our customers' input we have several external devices connected to this network. They are as follows:

- A 9600-baud bisynchronous link with the Office of Information Technology (OIT) VM system, which allows the input of customers' SCRIPT files and Wang documents.
- A 2400-baud bisynchronous link with a Wang 7525 word processing system (WPS), which provides input from customers' Wang WPS diskettes in WPS format only or on-line telecommunications from other Wang systems in the agency through VM. We also have the capability to receive VM Script files through our Wang system.
- A Shaffstall 5000 Media Conversion System converts a variety of customers' diskettes. For example, an IBM PC utilizing MSWORD software is communicated through a 9600-baud asynchronous link directly to the Atex system.
- Four nine-track magnetic tape drives which will accept customers' tapes at 1600 BPI, EBCDIC format.
- A Dest optical character reader (OCR) via a 1200-baud asynchronous link. This capability will read eight standard typewriter fonts from customers' hard copy.
- A fiber-optic link from Reston to support the publishing of FBIS publications.

Prepress Composition Output

The only form of output from the composition systems is nine-track magnetic tape. The primary purpose of the current magnetic tape output is:

- Returning Directorate of Intelligence (DI) and Intelligence Community Staff (ICS) publications to the Office of Information Resources (OIR) for electronic dissemination to the originators in VM. This includes daily output of the *National Intelligence Daily* (NID) data base.
- Returning the most up-to-date *Congressional Budget Justification* Books (CBJB) data bases to CBJB contributors.
- Returning Atex data bases to other Agency publishing customers on an *ad hoc* basis.
- Loading Atex files to Xyvision for composition.

Office: DDA/OL/P&PG

Objective Statement: Prepress Electonic Communications Architecture and Network

Responsible Officer: [redacted] STAT

O — Scheduled .
X — Actual

Activities Planned	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1. Document current communcations capabilities.			O X									
2. Determine future requirements by meeting with customers and determining their plans regarding electronic document production.					O							
3. Assess current capabilities in light of future and projected requirements.						O						
4. Identify alternative configurations to meet requirements.									O			
5. Prepare proposals for reconfiguation of prepress communications architecture with discussion of alternatives and recommended approach.										O		
6. Install and implement reconfiguration.												O

Legend

APS-5	Autologic 3rd generation photo typesetter at 762 dpi
APS-5/G	Autologic 3rd generation graphics photo typesetter at 762 dpi
APS-55/S	Autologic raster image processor with laser printer output at 300 dpi
APS-450	Autologic raster image processor with laser printer output at 300 dpi
APS MICRO-5	Autologic 3rd generation photo typesetter at 762 dpi
APS MRU	Autologic 3rd generation photo typesetter with 70MM film output at 762 dpi
Atex	Commercial Publishing System
Autokon	Autokon 8400, Black and White Laser Scanner
DEC Console	Digital Equipment Corporation printer
Dest OCR	Dest Series 200 Optical Character Reader
Ethernet	permits data transmission between two stations at rates of up to 10 million bits/second
FBIS	Foreign Broadcast Information Service
GCI	Autologic Graphics Converter Interface
IBM/VM	OIT Mainframe
LBP-10	Canon Laser Printer
LN03	Digital Equipment Corporation laser printer
MOD 43	Teletype printer
MPB	Atex Multi Processor Bus
MT	Pertec magtape units on Atex and Autologic, 1600 bpi. Cypher magtape unit on the Xyvision text node, 1600/3200 bpi, dual density.
NEC 7715	Nippon Electric Corporation word processing impact printer
Shaffstall	Shaffstall 5000 Media Conversion System
VDT	Video Display Terminal
Wang	Wang 7525 Word Processing System (WPS)
Xitron	XM-16 Softswitch typesetter interface
Xytext	Xyvision editorial terminal
Xyview	Xyvision WYSIWYG terminal
Xyvision Graphics Node	Xyvision system dedicated to processing black and white images
Xyvision Text Node	Xyvision system dedicated to processing text
300 MB	Control Data Cooperation model 9766, 300 mega byte disk drives

STAT

CIA Prepress Composition Network Configuration